

# Antenna test report

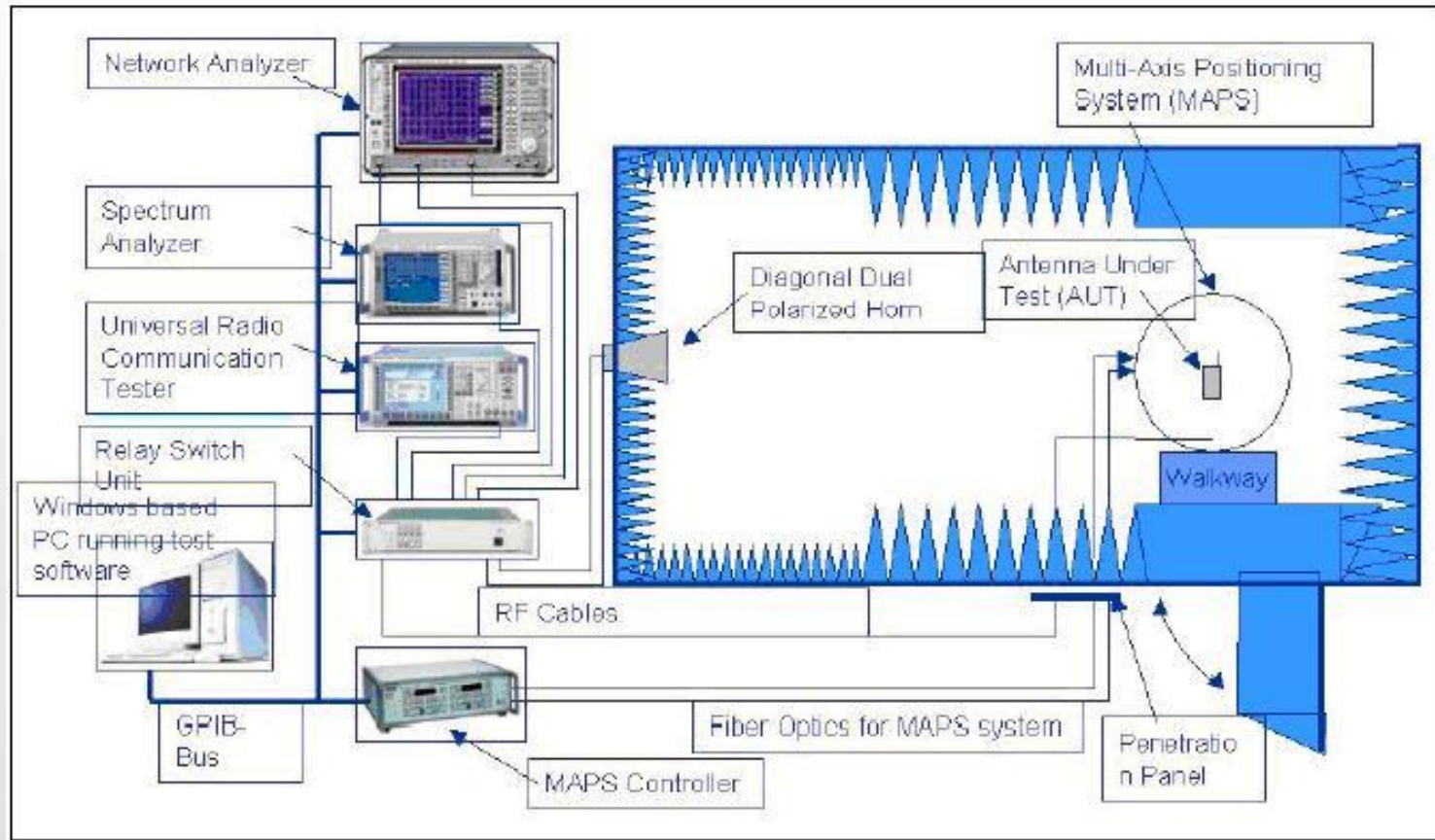
Manufacturer : Shenzhen four Bo Zhilian Technology Co., Ltd.

Model : AT-WIFI

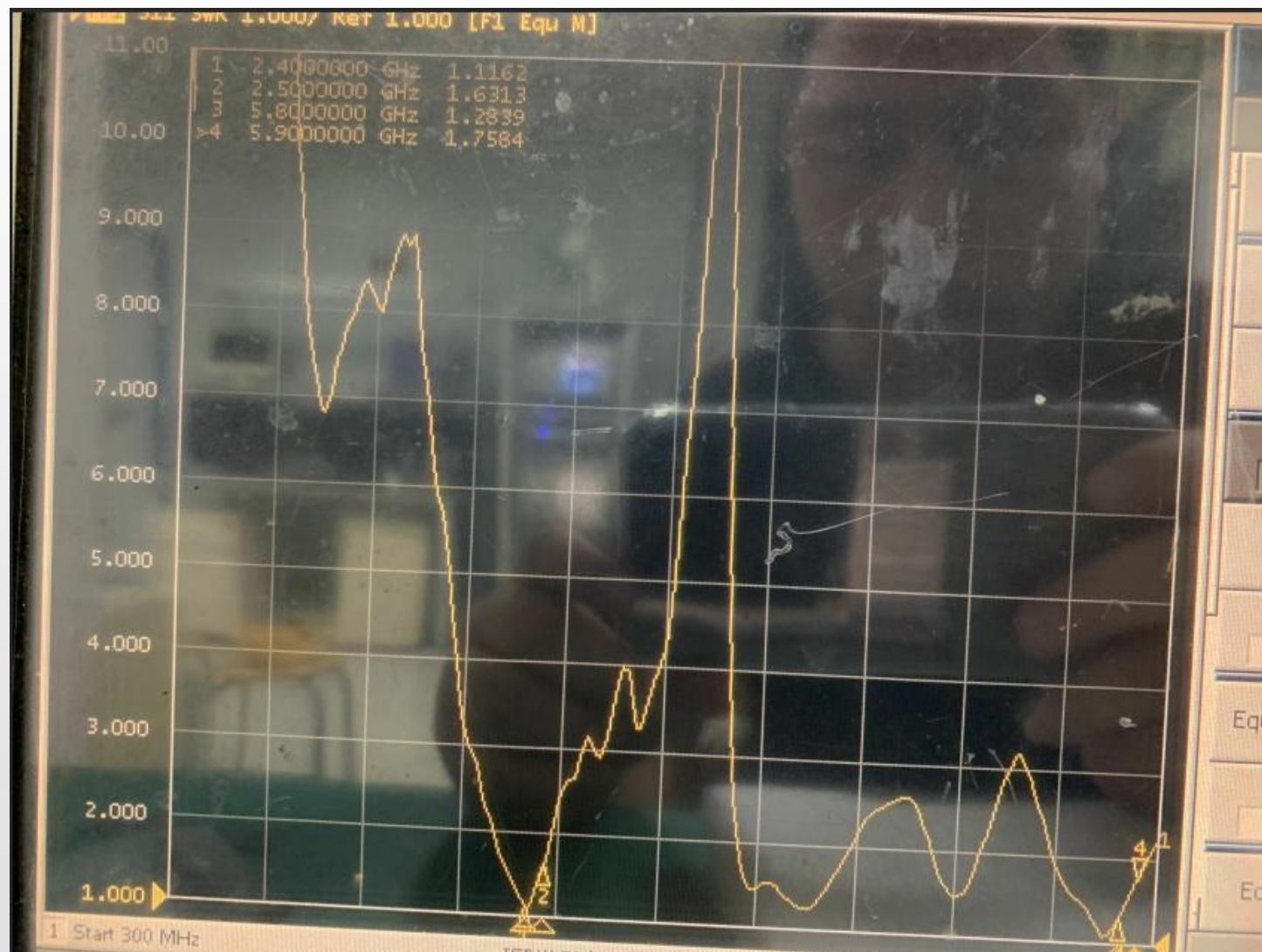
Frequency range : 2400-2500MHz

Max gain : 2.07 dBi

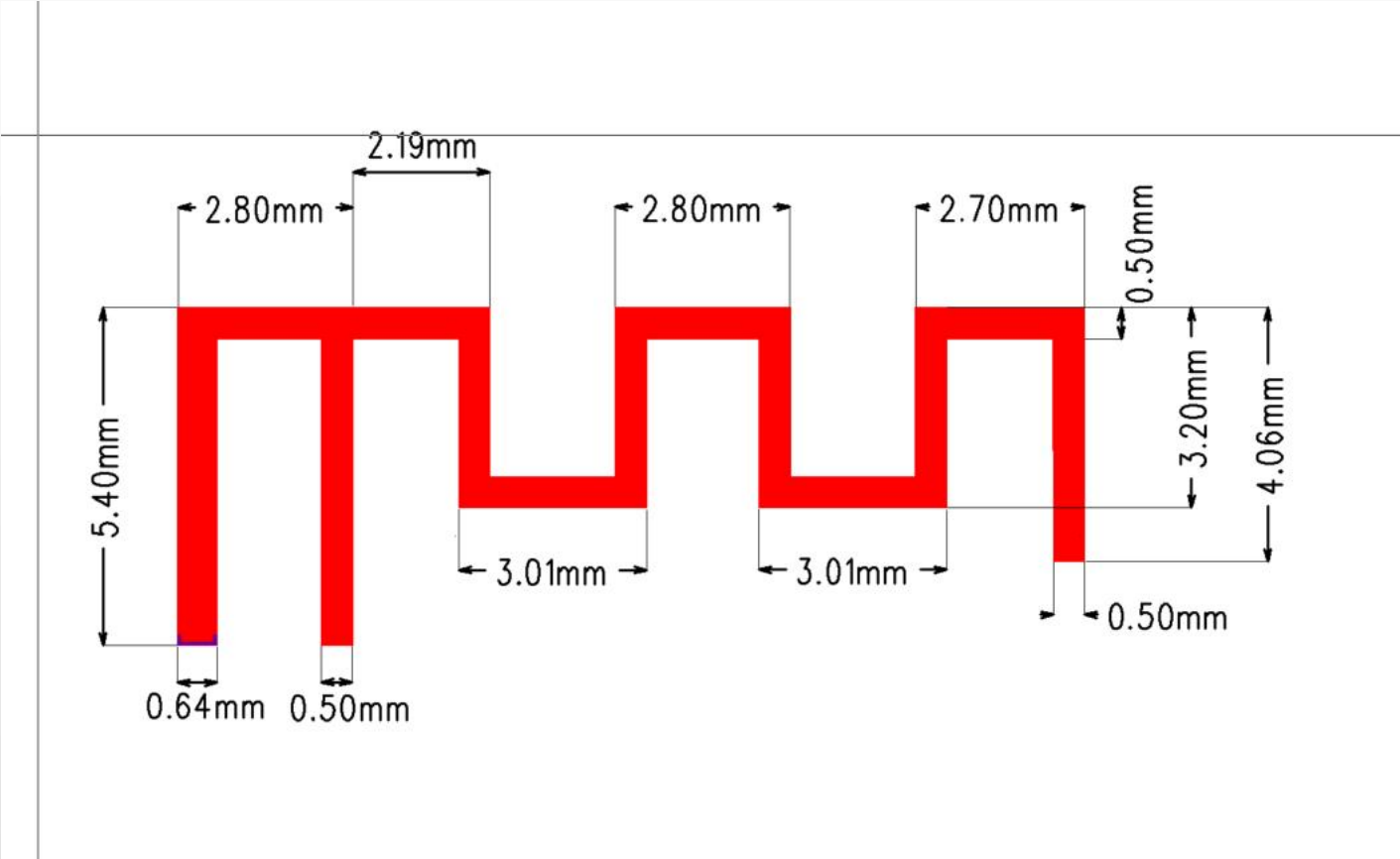
## Testing Environment



## WIFI (SWR) :



Size:



## WiFi antenna gain :

| Passive Test For WIFI |          |           |            |            |         |          |          |          |             |             |
|-----------------------|----------|-----------|------------|------------|---------|----------|----------|----------|-------------|-------------|
| Freq (MHz)            | Effi (%) | Effi (dB) | Gain (dBi) | Gain (dBd) | UHS (%) | DHIS (%) | Max (dB) | Min (dB) | Attenut Hor | Attenut Ver |
| 2400                  | 43.32    | -3.63     | 2.07       | -0.08      | 22.696  | 20.627   | 2.07     | -14.98   | 50.98       | 51.66       |
| 2410                  | 38.68    | -4.13     | 1.48       | -0.67      | 20.34   | 18.34    | 1.48     | -14.22   | 50.3        | 51.33       |
| 2420                  | 40.12    | -3.97     | 1.53       | -0.62      | 21.131  | 18.985   | 1.53     | -14.22   | 50.35       | 51.37       |
| 2430                  | 36.17    | -4.42     | 0.99       | -1.16      | 18.964  | 17.205   | 0.99     | -16.03   | 50.82       | 51.91       |
| 2440                  | 39.81    | -4        | 1.33       | -0.82      | 20.882  | 18.931   | 1.33     | -18.47   | 50.21       | 51.68       |
| 2450                  | 38.63    | -4.13     | 1.13       | -1.02      | 20.252  | 18.38    | 1.13     | -22.47   | 50.71       | 51.95       |
| 2460                  | 41.04    | -3.87     | 1.35       | -0.8       | 21.442  | 19.594   | 1.35     | -25.74   | 51.26       | 52.86       |
| 2470                  | 36.78    | -4.34     | 0.83       | -1.32      | 19.078  | 17.697   | 0.83     | -24.39   | 51.08       | 53.04       |
| 2480                  | 39.15    | -4.07     | 1.07       | -1.08      | 20.095  | 19.058   | 1.07     | -22.06   | 51.31       | 53.01       |
| 2490                  | 35.46    | -4.5      | 0.55       | -1.6       | 17.911  | 17.552   | 0.55     | -21.15   | 51.8        | 53.95       |
| 2500                  | 35.49    | -4.5      | 0.43       | -1.72      | 17.654  | 17.835   | 0.43     | -20.45   | 51.02       | 53.11       |

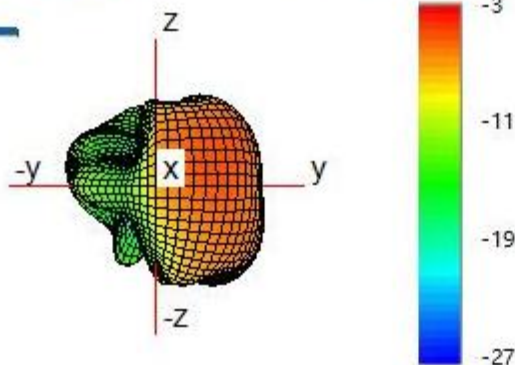
Frequency: 2400



### Theta

Azimuth: 0  
Elevation: 0  
Roll: 0

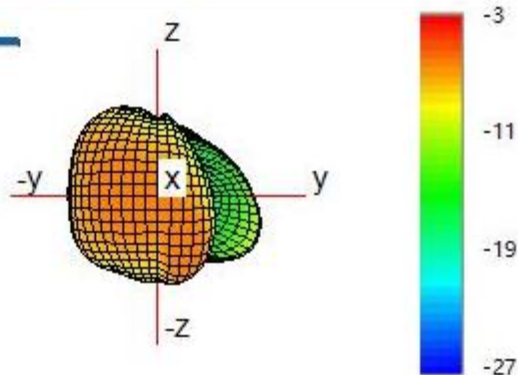
Zoom Scale



### Phi

Azimuth: 0  
Elevation: 0  
Roll: 0

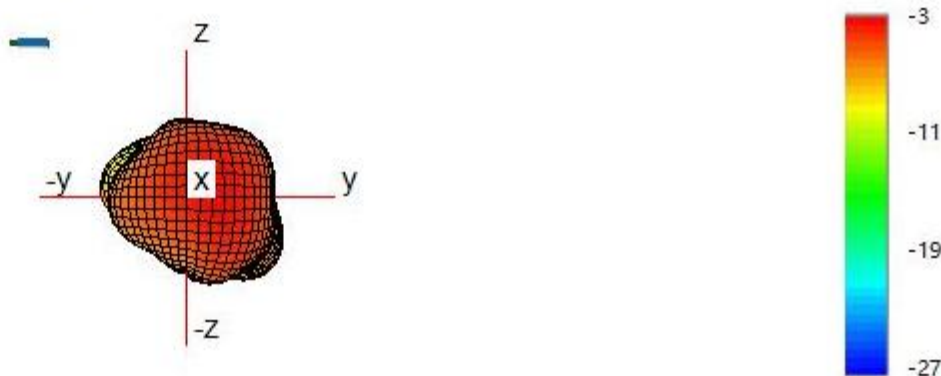
Zoom Scale



### Total

Azimuth: 0  
Elevation: 0  
Roll: 0

Zoom Scale





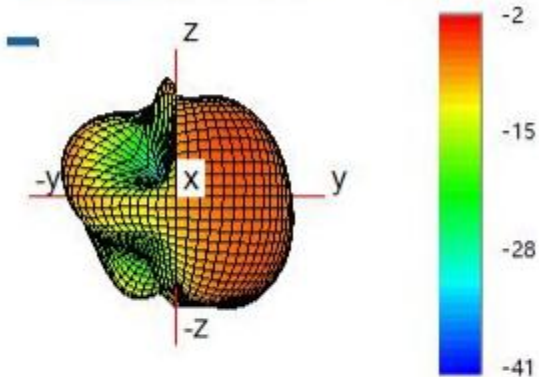
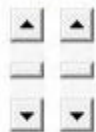
Frequency: 2440



### Theta

Azimuth: 0  
Elevation: 0  
Roll: 0

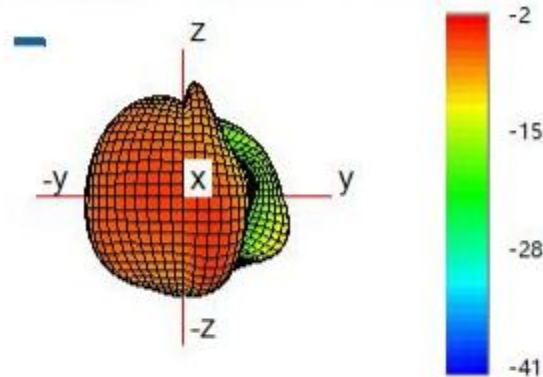
Zoom Scale



### Phi

Azimuth: 0  
Elevation: 0  
Roll: 0

Zoom Scale



### Total

Azimuth: 0  
Elevation: 0  
Roll: 0

Zoom Scale

